

Table1

heat treatment classification	directions of specimens	tensile test			Charpy impact test
		0.2% proof stress (N/mm <sup>2</sup> )	tensile strength (N/mm <sup>2</sup> )	elongation (%)	
①	L	279	377	40.8	43
	T	318	376	39.9	42
	D	294	370	43.5	44
②	L	206	337	39.8	42
	T	204	336	40.1	43
	D	205	332	42.1	45
③	L	280	394	36.4	43
	T	296	421	21.8	44
	D	241	377	37.6	46

Fig. 3